

Title (en)

SYSTEM AND METHOD FOR OPTIMIZING OPTICAL AND DIGITAL SYSTEM DESIGNS

Title (de)

SYSTEM UND VERFAHREN ZUM OPTIMIEREN VON OPTISCHEN UND DIGITALEN SYSTEMENTWÜRFEN

Title (fr)

SYSTEME ET PROCEDE POUR OPTIMISER DES MODELES DE SYSTEMES OPTIQUES ET NUMERIQUES

Publication

EP 1692558 A2 20060823 (EN)

Application

EP 04812670 A 20041201

Priority

- US 2004040218 W 20041201
- US 52621603 P 20031201

Abstract (en)

[origin: WO2005054927A2] A system, method and software product to optimize optical and/or digital system designs. An optical model of the optical system design is generated. A digital model of the digital system design is generated. Simulated output of the optical and digital models is analyzed to produce a score. The score is processed to determine whether the simulated output achieves one or more goals. One or more properties of at least one of the optical model and the digital model is modified if the goals are not achieved. The analyzing, processing and modifying is repeated until the goals are achieved, and an optimized optical system design and optimized digital system design are generated from the optical and digital models.

IPC 8 full level

G02B 27/00 (2006.01); **G06G 7/48** (2006.01); **H04N 5/225** (2006.01)

CPC (source: EP US)

G02B 27/0012 (2013.01 - EP US); **G02B 27/0025** (2013.01 - EP US)

Cited by

WO2011019283A1; US9280000B2

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 2004040218 W 20041201; CN 200480039037 A 20041201; CN 200810131277 A 20041201; EP 04812670 A 20041201; IL 17606506 A 20060531; JP 2006542707 A 20041201; US 34135908 A 20081222; US 81904 A 20041201